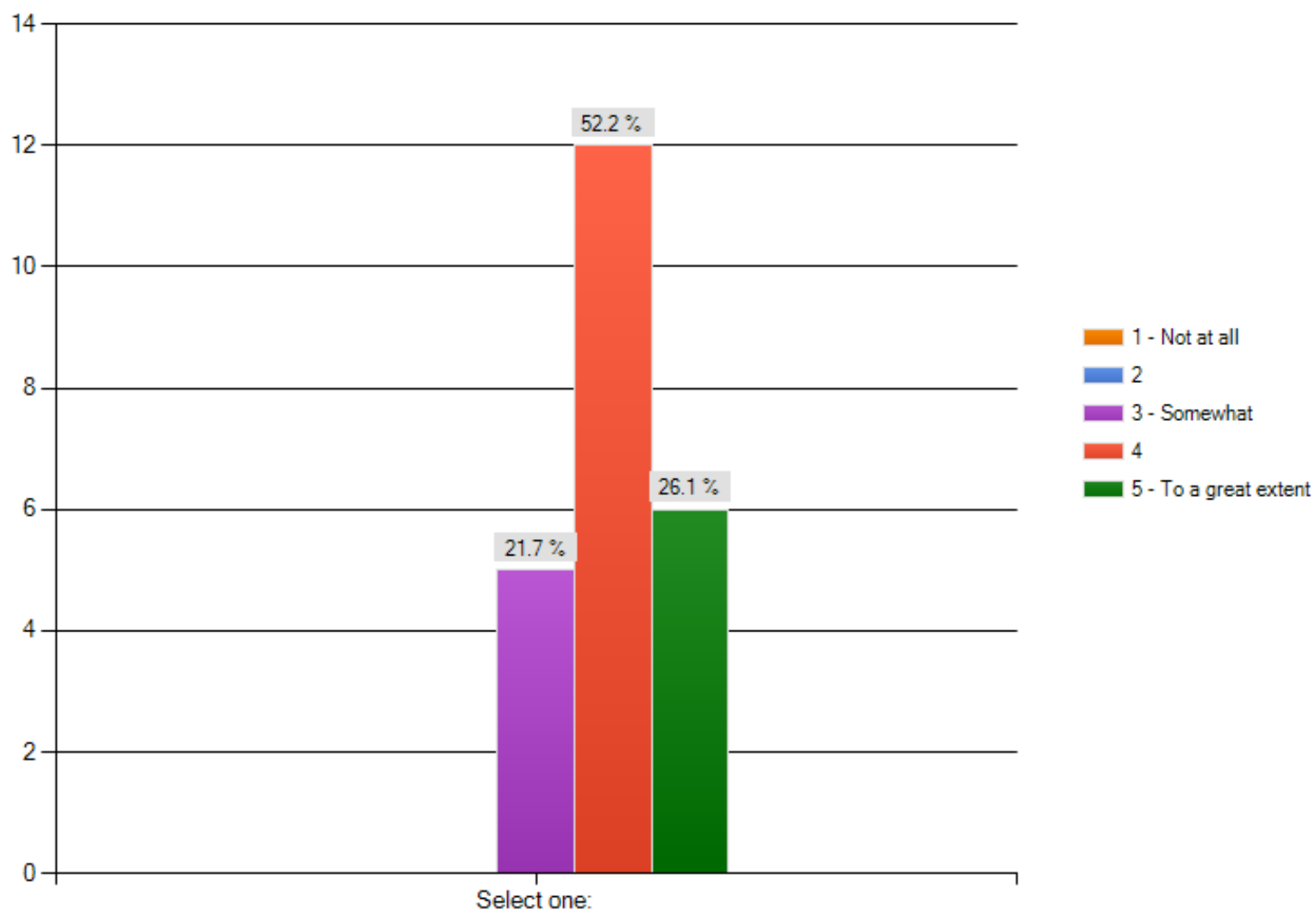
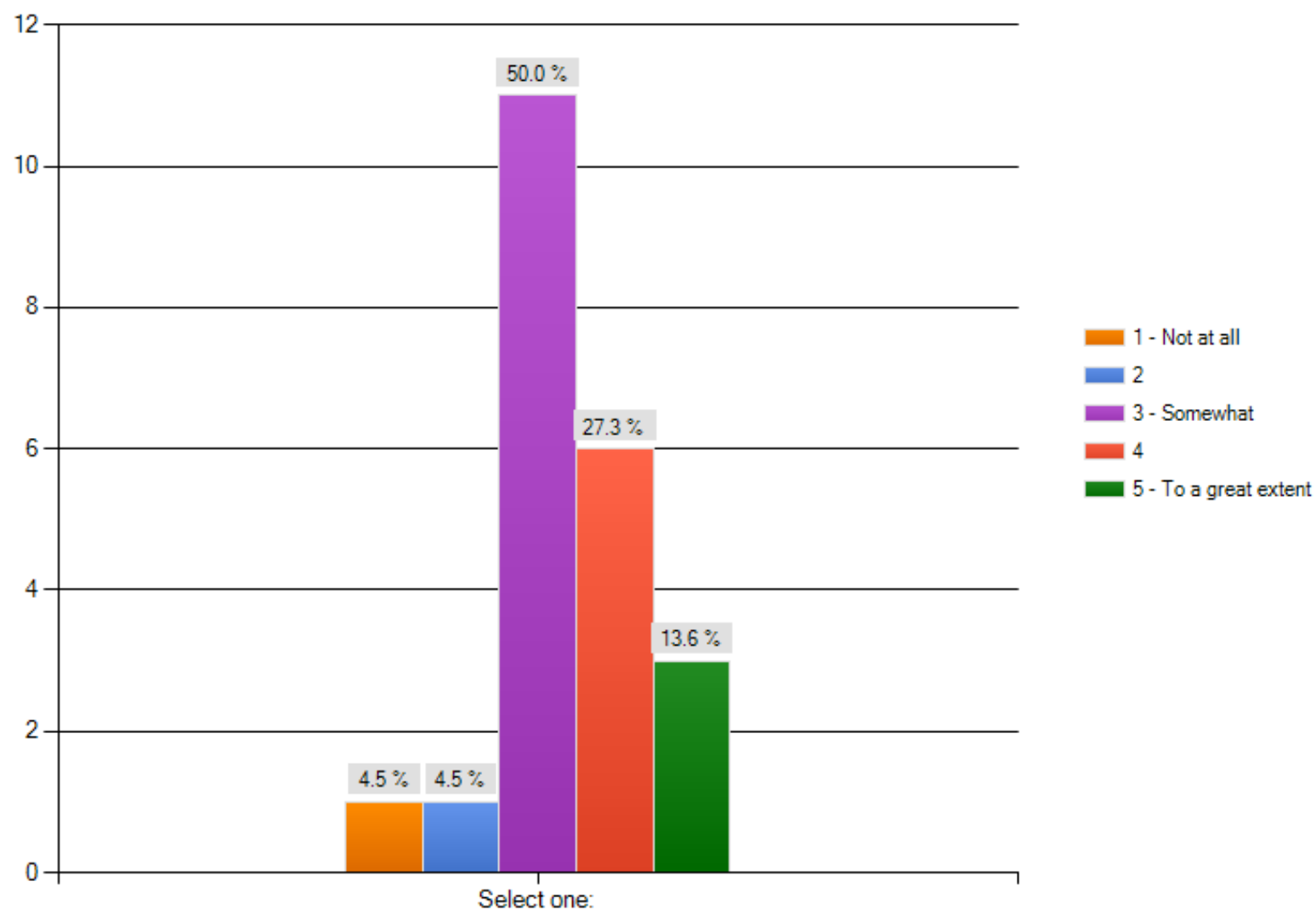


**To what extent have you gained a working knowledge of Scenario  
Planning for Climate Change in Arctic Interior Alaska?**



**To what extent did you find the pre-workshop webinars helpful as you consider your experience during the workshop?**



### #3. What were your expectations for this workshop?

“More imaginative scenarios than what we were able to come up with.”

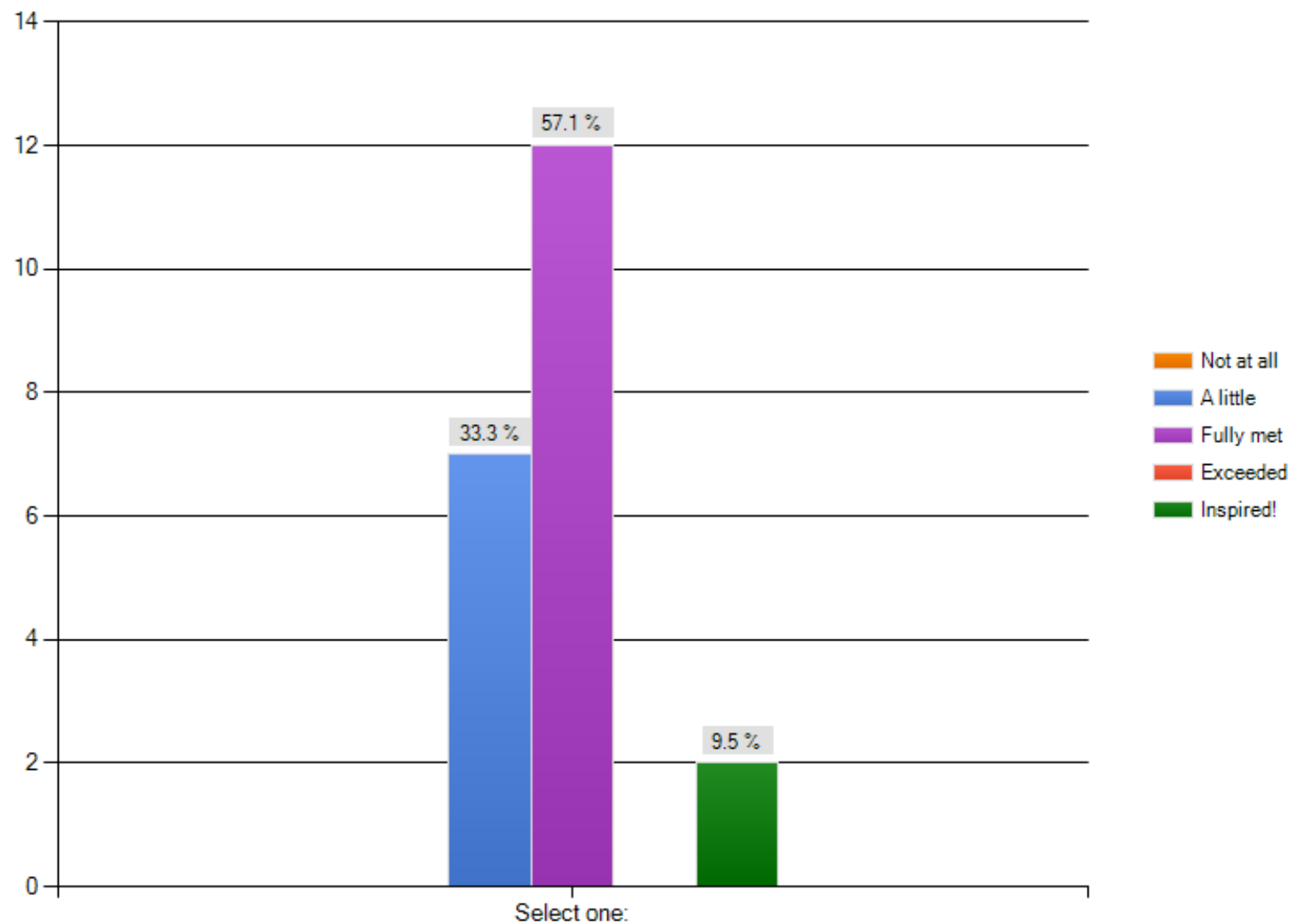
“I thought that there would be more specific data, maps, and climate predictions given the data that are available on the SNAP website. I was also hoping that there would be more specific on-the-ground actions.”

“I expected to learn more. You put the participants in the position of being experts in climate change, which was a big mistake. We, with few exceptions, are not experts in climate change! I felt like we were basically guessing on what future changes were coming about.”

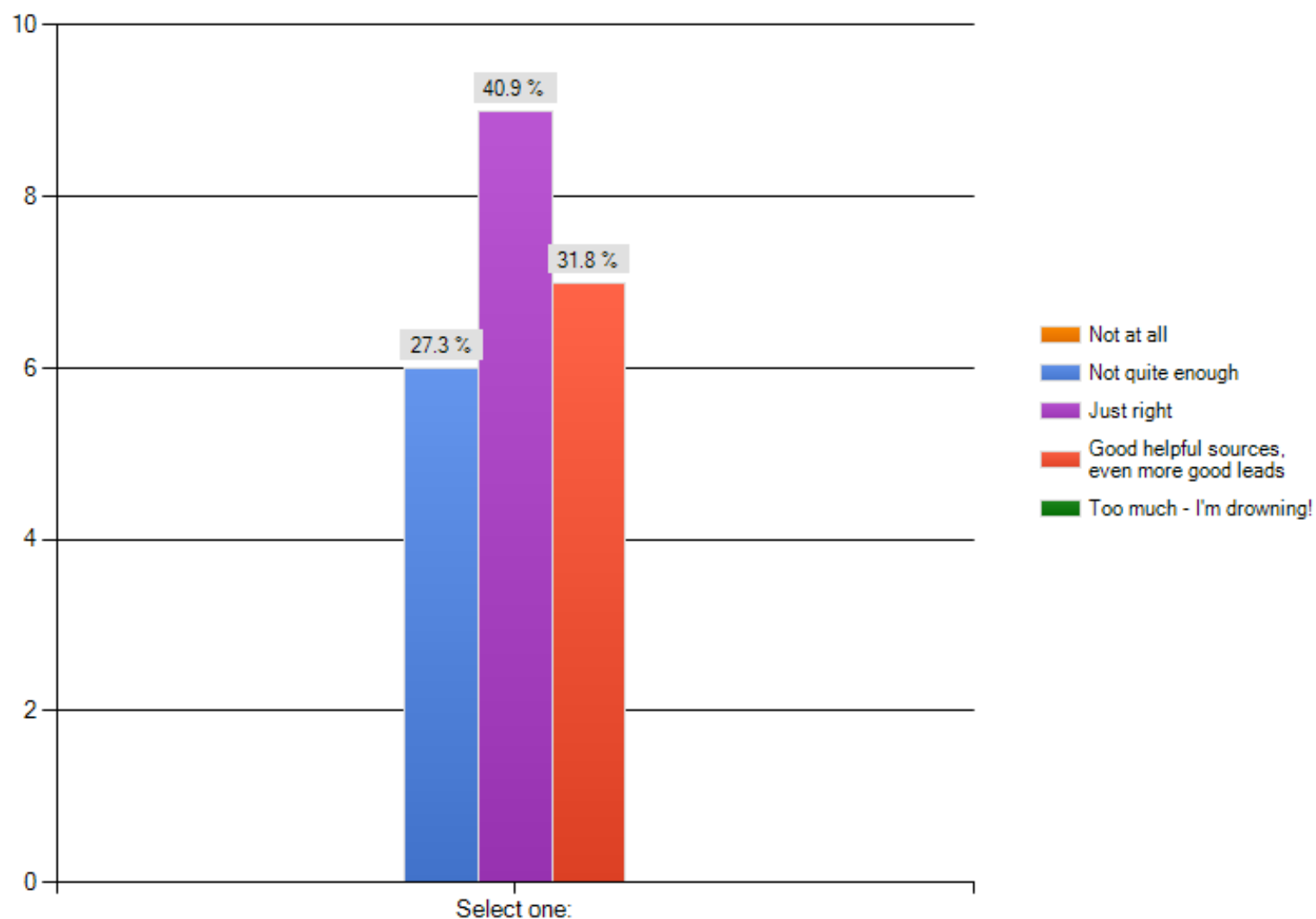
“I had an expectation that we would be able to generate new ideas or solutions for addressing park specific climate change issues. I thought there would be tangible results coming out of it that the park could use to help improve future actions.”

“I came into the workshop just hoping to become more aware of the issues.”

### To what extent did this workshop live up to your expectations?



To what extent did you find the materials presented during the workshop to be informative and detailed enough for your needs?



## #6. What additional products...?

"I'd like to have someone in Denali develop a "packaged" 4-hour version of the workshop for interpreters or visitors. Each participant would be given a fact sheet that makes them an "expert" on one resources area. They would contribute this info to the greater group. The experience would need to be VERY simplified and structured so they would leave with a sense of open-mindedness and optimism, and not with the belief that scientists are predicting any particular specific impact."

"A reading list - the books that were on the table."

"1. A two page summary report. 2. Access to the materials to actually lead a scenario planning (including boards and power points)."

"More easily accessible website for webinars and climate change info on and ongoing basis. Not good enough to say it will be there eventually. Too much momentum is lost in having to wait around for it."

[www.nps.gov/akso/nature/climate/scenario.cfm](http://www.nps.gov/akso/nature/climate/scenario.cfm)

## **#7. What was your most important learning or insight?**

“It's much easier to imagine dealing with climate change when we view it as an opportunity for change rather than one of humanity's embarrassing bummers.”

“The climate change impacts are coming to the interior parks under all scenarios, the effects are pretty much the same in the various modelling regimes, it is just a matter of degree. The lack of development and the nature of the development in the three parks is such that the impacts are not all that dramatic compared to the coastal areas. The impacts are more subtle.”

“We don't apply scenario planning to NEPA and we should. Scenario planning would be useful to apply to specific resources with a small group of experts instead of a larger group of generalists.”

“Learning how to let go of the norms and just brainstorm.”

## **#7. What was your most important learning or insight (cont.)?**

“The most interesting part for me was at the end, though we had little time to delve into it. That was through reviewing the various scenarios, flushing out the common management actions across the alternatives.”

“Keeping in mind the importance of recognizing a diversity of possibilities, although there is the danger of blurring the distinction between possibility and plausibility. You still need a reality check, and if you make your scenarios too detailed or pick an extreme, you may overlook or exclude consideration of a number of other possibilities in the middle.”

“A working knowledge about scenario planning.”

“Exploring the breadth and depth of change was enlightening. Having the many disciplines represented helped create a rich picture.”



## **#7. What was your most important learning or insight (cont.)?**

“NPS has a lot of work ahead and we need to do much more to include and engage our stakeholders.”

“The need to more effectively communicate science results to managers and other staff as we move forward.”

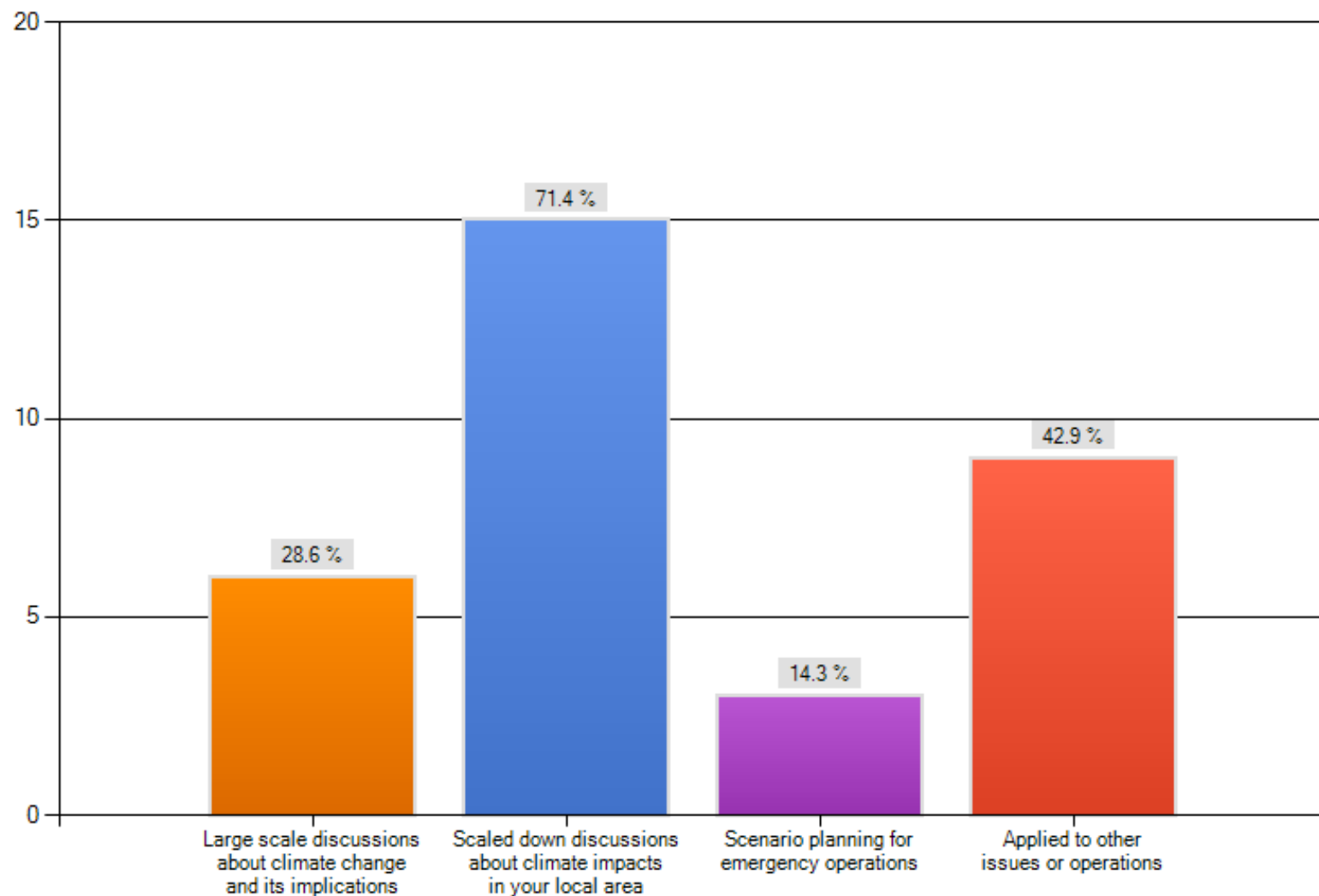
“A new model for decision making”

“An better appreciation of the social aspects necessary for the scenario planning to succeed.”

“That plausible future scenarios will necessarily require creative and new solutions. Because of the complexity of the issues it will require a lot of resources to adequately address.”

“Shared understanding. Synergy of group”

### How do you plan to use scenario planning in your park or community, based on this experience?



## **#8. (continued) How do you plan to use scenario planning ...?**

“Specific project EA's”

“Would like to bring this to a diverse group of stakeholders and staff members from all divisions in discussion over specific issues (eg. firewood harvest) to help inform the decision making process.”

“I think that this process could help parks with their 5 year strategic plans.”

“I think the scenario planning process might be useful on a smaller project level analysis, such as a campground development, maybe with one axis contrasting users that value a more undeveloped walk-in experience vs a full amenities experience (grocery stores, bars, golf course) combined with two extreme national economic situations. For climate change, I think you need to focus on a small enough area so that conditions are generally the same. Trying to plan for the two sides of Denali or the interior and coastal Wrangell St-Elias in one analysis is too much.”

## #9. What would you suggest we do differently to improve...?

“Reduce some of the redundancies, eg. cut the left side of the last big sheet that we filled out on the 3rd day. We discussed this during the post-evaluation.”

“Make it shorter. Brainstorm on 'micro' applications of the methods.”

“I felt that at this workshop we were a little less diverse and I really felt that the way the groups were divided up by parks meant that there was less diversity of information and ideas shared. We talk to each other at our own parks regularly but not as much with others. It also seemed that there was less diversity of other stakeholders than at the other one I attended which made things easier but also meant we got less outside the box.”

“A little more structure in the brainstorming - it was productive for about half the time allotted, then it morphed in to BS sessions that weren't all that productive.”

“Spend more time coming up with common management actions across the alternatives that are actionable.”

## #9. What would you suggest we do differently... (cont)?

“Part of specifying the effects was repetitious and could be consolidated. More time was needed on developing the concept of the no regrets actions, which are things that we probably should be doing anyway such as improving infrastructure, vs the other satellite actions. Unfortunately people are getting tired by the end of the day, so that discussion probably needs to be started in the morning. Turning the scenarios into actual plausible and specific actions would be more beneficial. Of course, we would need more specific climate data with less uncertainty.”

“The group discussion leaders had varying levels of success with the workshops participants. And with guiding the group discussions.”

“The number of facilitators and presenters was great. There were enough to help things keep moving along, provide variety, etc. So don't change that! Is there a more efficient way to capture the information besides the flip charts and sticky notes? We ended up with so many of all of these, it was hard to keep track. (Am wondering if there is a greener way, too?) Consider including the tourism industry in future workshops (should additional funding/opportunity arise). Especially as we were taking about longer seasons and effects on the visitor experience, it would be good to have their input.”

## #9. What would you suggest we do differently... (cont)?

“Encourage people to really stretch. Still too much tendency for people to look at likely scenarios rather than plausible, divergent scenarios. Find ways to maintain interest and energy among the group. People need to be part of the process. "Trust me" doesn't work. Maybe would need to do advance work with individual participants. Would need very skilled facilitators and experts on hand to help. Always include at least one person who is very knowledgeable about scenario planning.”

“Shortening would be beneficial. Include more stakeholders for a more diverse group. Take Guy's advice to work with scientists to develop the baseline scenarios/drivers/effects. I felt uncomfortable at times feeling as though we were sometimes merely making things up without a whole lot of basis in fact.”

“See responses above. I am not at all confident in the work we did for our park.”

“Although difficult, trim it down to less time - 1 or 2 days max.”

“Have reading materials for climate change and biology.”

## #9. What would you suggest we do differently... (cont)?

“Keep things moving and engaging. Likely the same amount can be accomplished in less time. Bringing in expert scenario planners or futures experts can make the subject more interesting and likely get more buy in from participants. Also PowerPoints can be a little too sterile. They we're great for showing data or study results on climate change but I am not convinced they are the best method for communicating a process or communicating a case study.”

“More direct guidance/facilitation to avoid too many tangents and inefficient use of time.”

“Compile available info. See above.”

“More diversity would be helpful for bigger picture. Breakouts by discipline would help for a set of more specifics.”

“More tools and materials to take to park to do our own scenario planning.”

## #10. Any other questions or concerns...?

“No real concerns - I thought it was very helpful to see what the experts are predicting for the future.”

“Again, more specific data, effects, and actions for specific areas would make the workshop more beneficial. At least it may give people an idea of the kinds of actions they might consider doing on their units.”

“I think that as a workshop on scenario planning it succeeded.”

“I'd like to see this go somewhere to inform management actions. I don't want all this time and energy to just sit on a shelf.”

“Improve ppt slides. Especially some of the SNAP slides. Not sufficient to apologize for them; make them better. This was the last workshop. Have had a year to make these better . Some of Jeff's slides were illegible simply because of white print on yellow background. These kinds of things make a difference.”



## **#10. Any other questions or concerns...(cont.)?**

“Useful tool if you take it forward in other aspects of my work and continue to talk about it among staff so it is not a stand alone workshop. Sometimes the conversation gets driven by just a few people, tough to facilitate this.”

“Include this with tribes in tribal consultations.”

“It seems by the end we didn't come up with good management actions.”

“I think a more technical intro session to provide a baseline understanding of technical issues that are important to know before beginning the scenario process.”

“Make sure to make expectations of participants clear in advance. Utilize scenario software as a tool to demonstrate how a scenario can be generated and quickly adjusted based upon changing assumptions of a group.”